Army CBRN Defense Overview

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G8-FDB

March 2004

Agenda

- Overview of how the Army is changing
- Summary of Army Chemical Force Structure derived from Total Army Analysis 06-11
- Highlights of Chemical Company Organizations and Capabilities
- Summary

What Are We Changing?

Creating a Modular Army

"Brigade Based"…more Responsive, Enables Joint and Expeditionary Capabilities

Restructuring the Force

100K+ of Change… Divesting Cold War Headquarters and Structure to Enhance Global War on Terrorism Capability

Stabilizing the Force

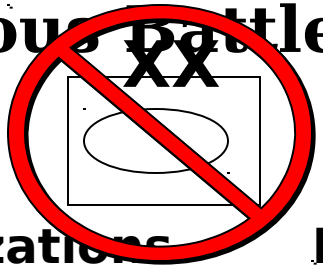
Increases Unit Cohesion & Stability, and Provides Predictability for Soldiers & Families

Get the Right Blend of Capabilities to Support Our Nation

Adapting Army Structure for the Joint Team

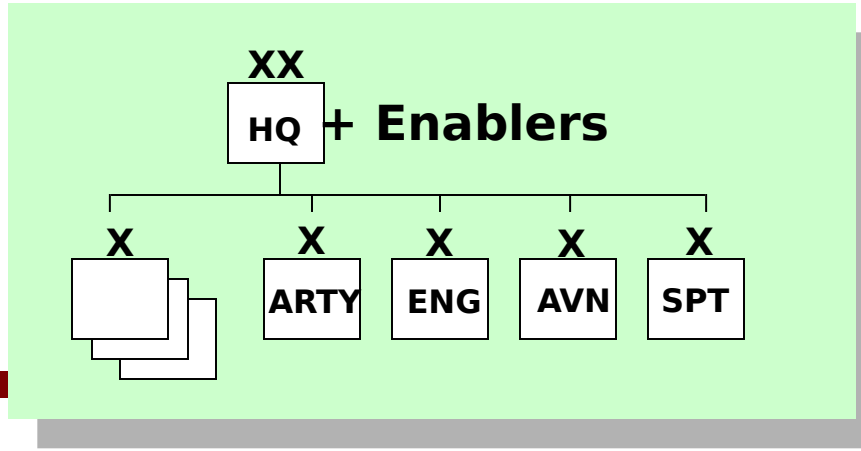
Create A Modular Army

Intent: **Create Modular "Brigade Based" Army That Is** More Responsive **to Regional Combatant Commanders Needs,** Better Employs Joint Capabilities, Facilitates Force Packaging **and Rapid Deployment, and** Fights Self Contained Units **in Non-linear, Non-contiguous Battlespace.**



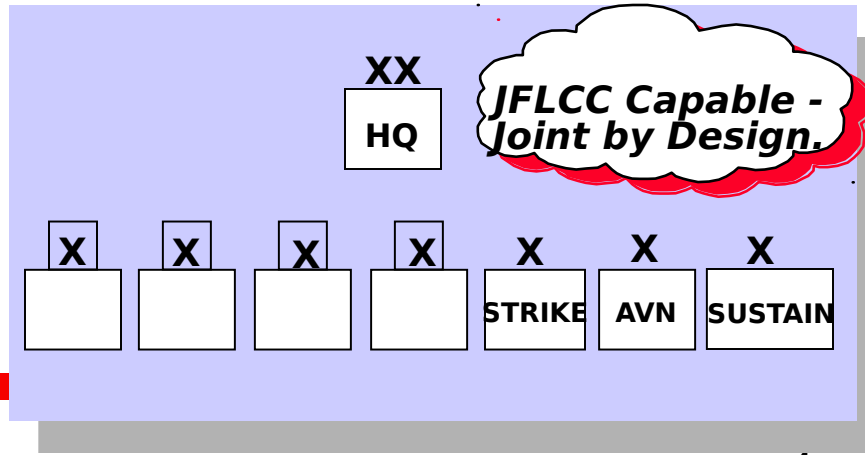
Today

Division Based Organizations



Tomorrow

Brigade Based Organizations

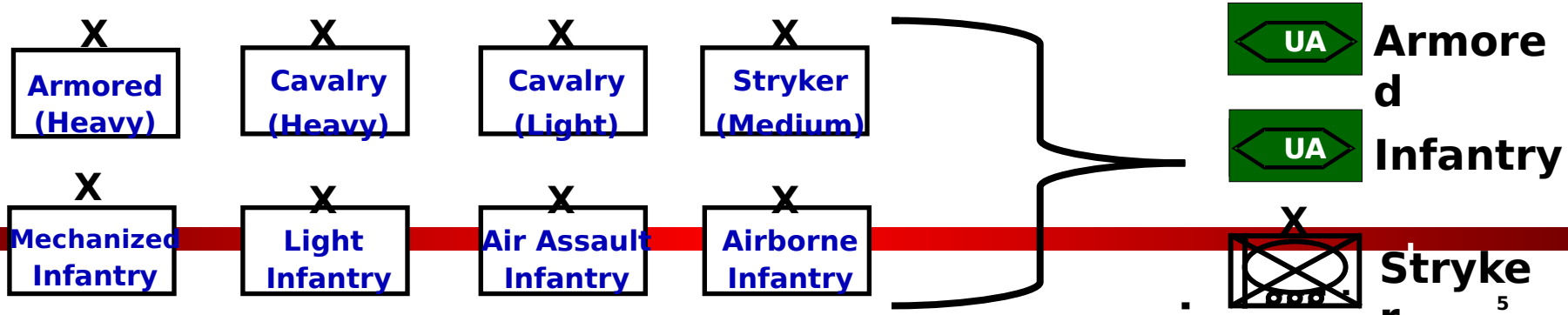


Standardizing the Force

Previously Units Were Designed to Provide a Specific Capability, Sometimes Linked to a Specific Region. Newer Units Will Be More Standardized With Embedded Broad-Spectrum Capabilities.

✓ **Seven Division, Four Corps and Six Army Structures to Two More Capable Unit of Employment Designs (Achieve Headquarters Delayering):**

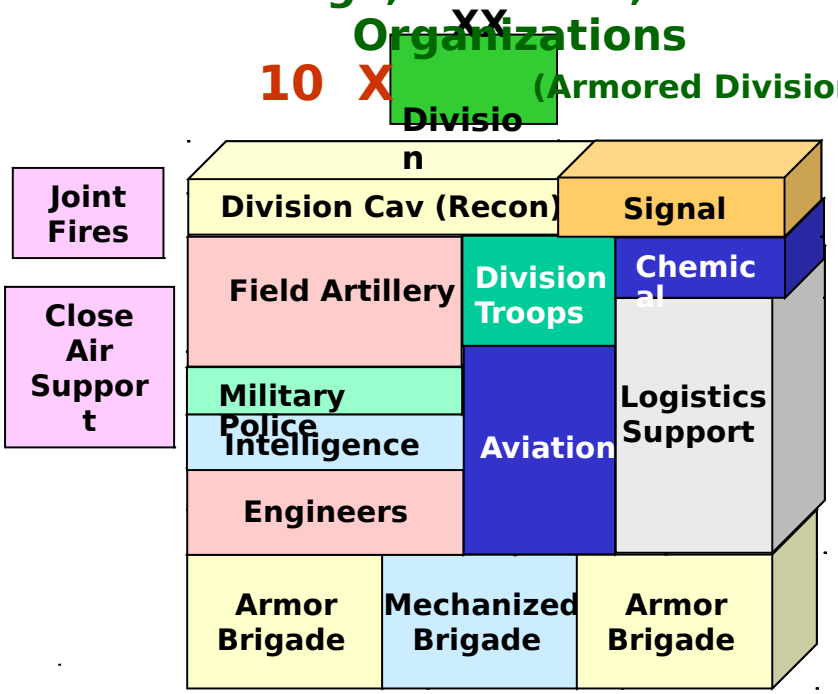
✓ **Eight Brigade/Regiment Structures to Three Unit of Action Designs**



Changing to Brigade-Centric Organizations

An Army Based Around 10 Large, Powerful, Fixed Organizations

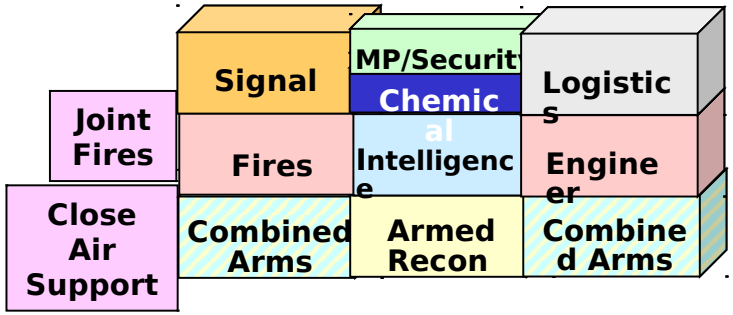
10 X (Armored Division Shown)



An Army Designed Around 43- 48 Smaller, Tailorable Organizations

43- 48 X

Unit of Action — Armored UA Shown



….Augmented by an Unit of Employment & Standard Support UAs:

- Optimized for Specific Missions ---------- Standard, Broad, Embedded Capabilities
- Army-Centric ---------- Inherently Linked to Other Services
- Independent ---------- Independent, More Self-contained unit
- Support from Corps/Army level ---------- UE_x Augmented by Support Units of Action

Armored Unit of Action Design

X

Aviation Package from Aviation Unit of Action

~3.8K Soldiers

BTB — Brigade Troops

Armed Recon

Combined Arms

STRIKE — Strike Battalion

SPT — Support Battalion

UA Headquarters

- Increased Staff
- C2 Enhancements
- Deputy Commander
- Special Ops/Civil Affairs
- Aviation & Air Defense

HHC
- Security Platoon
- Military Police Platoon

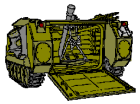
Signal Company
- Communications/Network Operations Support

Combat Maneuver & Recon Capabilities

Over 55 M1A1 Tanks

4 Tank Companies
3 Recon Troops
4 Mechanized Companies
2 Scout Platoons
2 Mortar Platoons

Over 85 Bradley Scout & Infantry Fighting Vehicles



14 X 120mm Mortar Carriers

40 HMMWV with Long-Range Advanced Scout Surveillance System

2 Sniper Sections

Fires

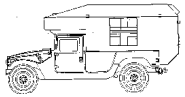
Joint Fires Cell
3 x Joint Tactical Air Control Tms (CA and Armed Recon Battalions)

16 x 155mm Howitzer (2 Batteries)

Support

Maintenance Company

Distribution Company



Medical Company

Intelligence & Surveillance Capabilities

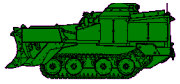
Military Intel Co.
- Intelligence Integration & Analysis
- Human Intelligence Capabilities

2 x UAV Platoons
- Armed Recon/Strike - Company UAVs

Multi-Sensor Unit
- Various sensor capabilities

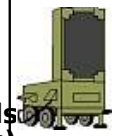
Protection

Chemical Recon Vehicles



12 Engineer Squads (2 Engr Companies)
Various Equipment

Target Acquisition



Counterfire and Counter-Mortar Radars
Target Acquisition Platoon

4 Forward Support Companies (provide maintenance and other support to battalions)

Battle Command: Networked Battle Command Enabling Systems (various systems which enhance situational & terrain awareness, transmit reports/orders, and exchange mission essential information).

Active Army Echelons & Capabilities

Today

Army Service Component Command (ASCC)

Future

XXXX
ASCC
5 ASCC

XXX
CORPS
4 Corps

XX
DIV
10 Div

X
BDE
33 Bde

USAREUR
USARPAC
USARSO
3rd Army
8th Army

I Corps
III Corps
V Corps
XVIII Corps

5 Heavy Divisions
1 Composite Division
2 Light Divisions
1 Air Assault Division
1 Airborne Division

17 Heavy Bdes
X (Mech) X (Armor) X (ACR) III

13 Light Bdes
(Airborne/AASLT/Light/LCR)

Capabilities migrate to UE_Y

Capabilities migrate to UE_X

Capabilities migrate to UA

3 SBCTs

Units of Employment (UE)

UE_Y

UE_Y

UE_X

UE_X

Units of Action

UA

43-48 Brigade UA

INF UA
ARM UA
X

18-21 Infantry Brigade Units of Action

20-22 Armored Brigade Units of Action

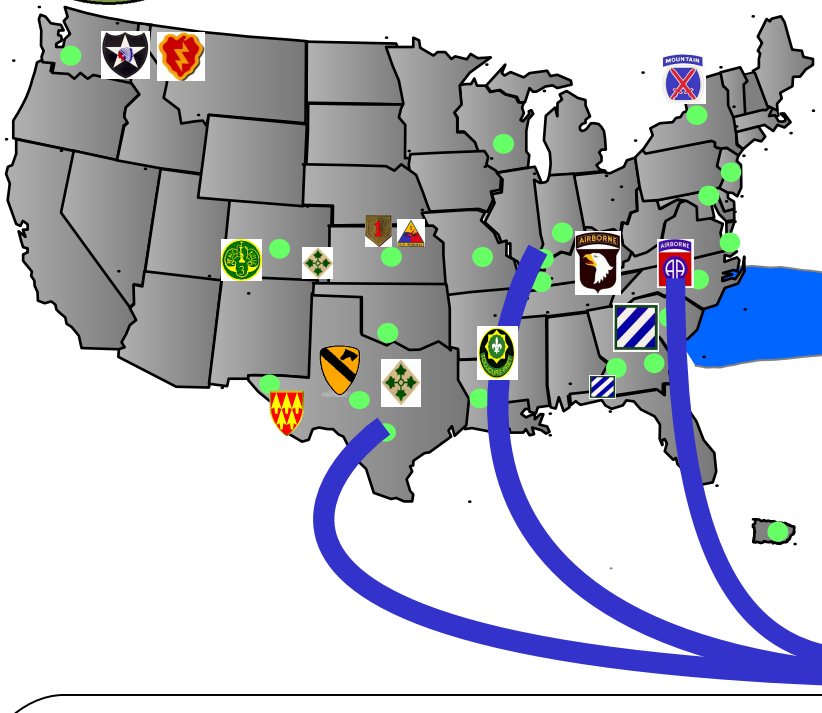
5 Stryker Brigade Combat Teams

Does not include Support Units of

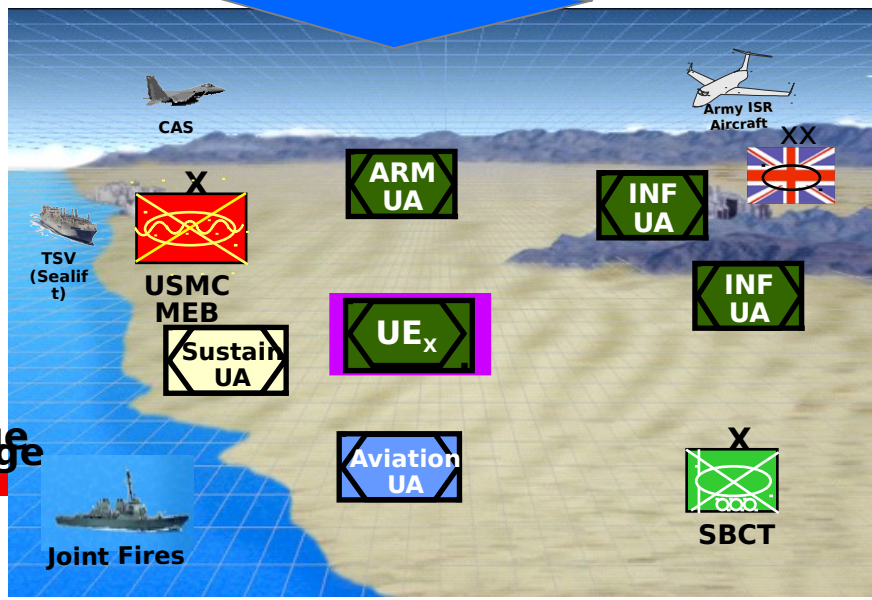
Reduce Headquarters Echelonment and Increase Brigade Units of Action

- **Assume theater operational and strategic functions ASCCs and Corps now perform.**
- **Command and coordinate support for multiple UE_X as well as Joint and coalition forces.**
- **Command at least six Units of Action (Combat), Support UAs, and Joint/Coalition forces.**
- **Provides two deployable command posts.**
- **Includes many capabilities currently found at Corps level.**

Projecting the Modular Army



- Modular Units Not Tied To Division Bas
- UEx (Operational Headquarters) Joint Capable
- Simultaneous Deployment From Multi Power Projection Platforms
- Tailorable Units Of Action For Full Spe Operations



- Level Of Strategic Commitment Will Remain At Current Pace
- Basing Supports A Joint And Expeditionary Army With Campaign Capabilities
- Power Projection Platforms Provide Full Range Of Support For Responsive Deployment, Employment And Sustainment Of Forces

Chemical Corps Redesign Overview

Current Force Structure – COs (DIV) O/W/E/TOT

03057L100	CM CO (S/D)(ABN)	9/1/117/127	x 1
03057L200	CM CO (S/D)(AA)	9/1/117/127	x 1
03157L100	CM CO (HVY DIV)	12/1/161/174	x 7
03157L200	CM CO (HVY DIV)	12/1/166/179	x

Current Force Structure – COs (NON-DIV) O/W/E/TOT

03437L000	CM CO (SMK)(MX)	5/0/107/112	x 3
03437F000	CM CO (SMK)(MX)	6/0/134/140	x 3
03457F000	CM CO (R/D)	6/0/101/107	x 3
03467L000	CM CO (S/D)	6/0/132/138	x 54
03477A000	CM CO (BIDS)	7/0/178/185	x 23
03427L000	CM CO (RECON)	5/0/101/106	x 33

Current Force Structure – C2 O/W/E/TOT

03472L000	BDE HHD	18/1/35/54	x 11

Current Force Structure – Detachments O/W/E/TOT

03529LB00	CM DET (RECON)(SF)	1/0/4/5	x 7
03579LA00	CM DET (JA)(NBCE)	1/04/5	x 6
03579LB00	CM DET (JB)(NBCE)	2/0/8/10	x 14

Approved Design

***** Design pools Division Chemical assets at Corps (only RECON PLT and DIV Plans section remains in DIV). 13 SRCs (11 DIV COs and 2 Non-DIV COs) transition into only 6 (EAD /EAC) SRCs *****

Force Structure-COs(EAD/EAC) O/W/E/TOT

03410F000	CM CO (CS)	6/0/107/113	x 27
03420F100	CM CO (CORPS)	9/0/191/200	x 13
03420F200	CM CO (HVY)	9/0/190/199	x 21
03440F100	CM CO (SMK)(MX)	6/0/134/140	x 10
03440F200	CM CO (SMK)(WHL)	6/0/134/140	x 8
03470F000	CM CO (BIDS)	6/0/149/155	x15

Pure Decon & Recon Company Units are eliminated or transitioned into Force Structure

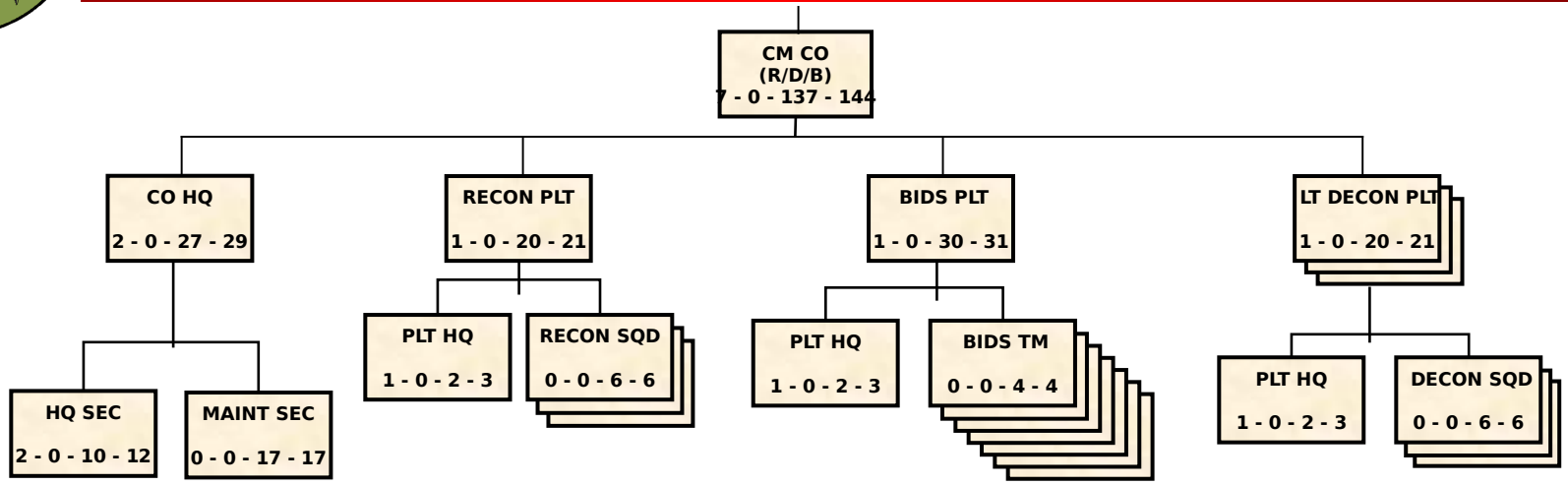
Force Structure – C2 O/W/E/TOT

03492F000	BDE HHD	24/1/50/75	x 6
03496F000	BN HHD	14/2/43/59	x 18

Force Structure-Detachments O/W/E/TOT

03529LB00	CM DET (RECON)(SF)	1/0/13/14	x 6
03579LA00	CM DET (NBCE)(CORPS)	1/0/4/5	x 5
03579LB00	CM DET (NBCE)(THEATER)	2/0/8/10	x 11

CM CO (COMBAT SPT) 03410F000


CM CO
(R/D/B)
7 - 0 - 137 - 144
CO HQ
2 - 0 - 27 - 29
HQ SEC
2 - 0 - 10 - 12
MAINT SEC
0 - 0 - 17 - 17
RECON PLT
1 - 0 - 20 - 21
PLT HQ
1 - 0 - 2 - 3
RECON SQD
0 - 0 - 6 - 6
BIDS PLT
1 - 0 - 30 - 31
PLT HQ
1 - 0 - 2 - 3
BIDS TM
0 - 0 - 4 - 4
LT DECON PLT
1 - 0 - 20 - 21
PLT HQ
1 - 0 - 2 - 3
DECON SQD
0 - 0 - 6 - 6

Mission: Provides Chemical, Biological, Radiological, and Nuclear (CBRN) Reconnaissance and Surveillance, and Decontamination to support an Assured Access Strategy.

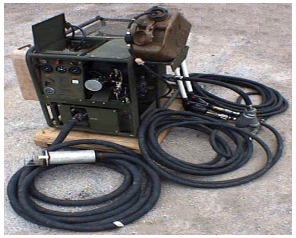
Capabilities:

- Detect CBRN Hazards.
- Detect Toxic Industrial Chemicals and Materials.
- Presumptively identify known agents and materials.
- Mark contaminated areas to prevent casualties and limit spread of contamination.
- Coordinate evacuation of CBRN samples.
- Conduct operational and thorough equipment decontamination.

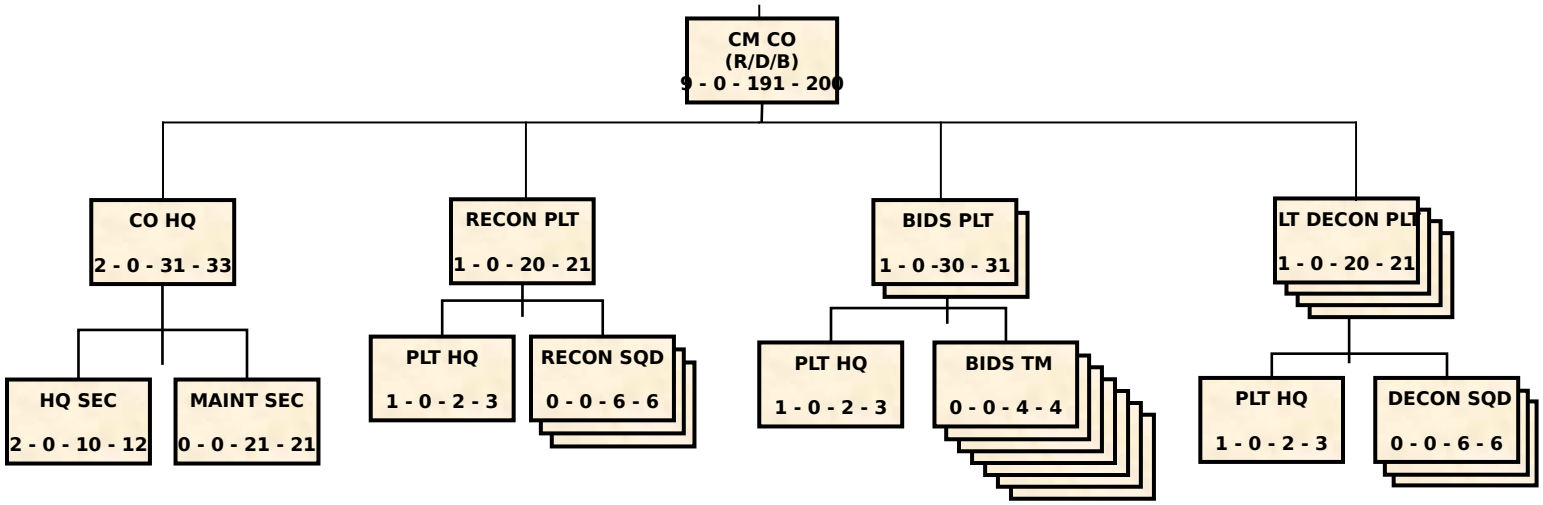
Allocation: Three per Division or one per Brigade

LNBCRS -Armor (6)

JSTDS-SS (18)



CM CO (CORPS) 03420F100


CM CO
(R/D/B)
9 - 0 - 191 - 200
CO HQ
2 - 0 - 31 - 33
HQ SEC
2 - 0 - 10 - 12
MAINT SEC
0 - 0 - 21 - 21
RECON PLT
1 - 0 - 20 - 21
PLT HQ
1 - 0 - 2 - 3
RECON SQD
0 - 0 - 6 - 6
BIDS PLT
1 - 0 -30 - 31
PLT HQ
1 - 0 - 2 - 3
BIDS TM
0 - 0 - 4 - 4
LT DECON PLT
1 - 0 - 20 - 21
PLT HQ
1 - 0 - 2 - 3
DECON SQD
0 - 0 - 6 - 6

Mission: Provides Chemical, Biological, Radiological, and Nuclear (CBRN) Reconnaissance and Surveillance, and Decontamination to support an Assured Access Strategy.

Capabilities:

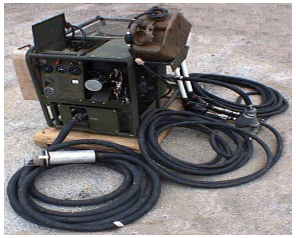
- Detect CBRN Hazards.
- Detect Toxic Industrial Chemicals and Materials.
- Presumptively identify known agents and materials.
- Mark contaminated areas to prevent casualties and limit spread of contamination.
- Coordinate evacuation of CBRN samples.
- Conduct operational and thorough equipment decontamination.

Allocation: Three per Corps

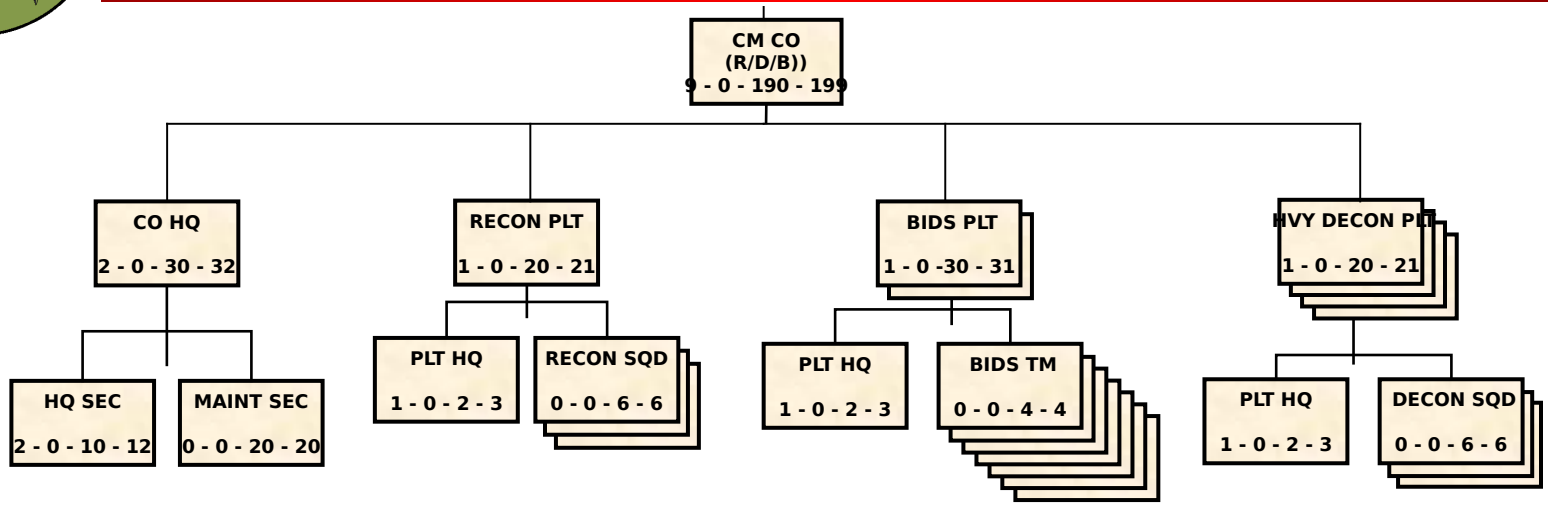
LNBCRS -Armor (6)

BIDS (14)

JSTDS-SS (24)



CM CO (HEAVY) 03420F200


CM CO
(R/D/B))
9 - 0 - 190 - 199
CO HQ
2 - 0 - 30 - 32
HQ SEC
2 - 0 - 10 - 12
MAINT SEC
0 - 0 - 20 - 20
RECON PLT
1 - 0 - 20 - 21
PLT HQ
1 - 0 - 2 - 3
RECON SQD
0 - 0 - 6 - 6
BIDS PLT
1 - 0 -30 - 31
PLT HQ
1 - 0 - 2 - 3
BIDS TM
0 - 0 - 4 - 4
HVY DECON PLT
1 - 0 - 20 - 21
PLT HQ
1 - 0 - 2 - 3
DECON SQD
0 - 0 - 6 - 6

Mission: Provides Chemical, Biological, Radiological, and Nuclear (CBRN) Reconnaissance and Surveillance, and Decontamination to support an Assured Access Strategy.

Capabilities:

- Detect CBRN Hazards.
- Detect Toxic Industrial Chemicals and Materials.
- Presumptively identify known agents and materials.
- Mark contaminated areas to prevent casualties and limit spread of contamination.
- Coordinate evacuation of CBRN samples.
- Conduct operational and thorough equipment decontamination.
- Conduct Fixed Site, Area and Route Decontamination.

Allocation: Two per Corps; Five per TA

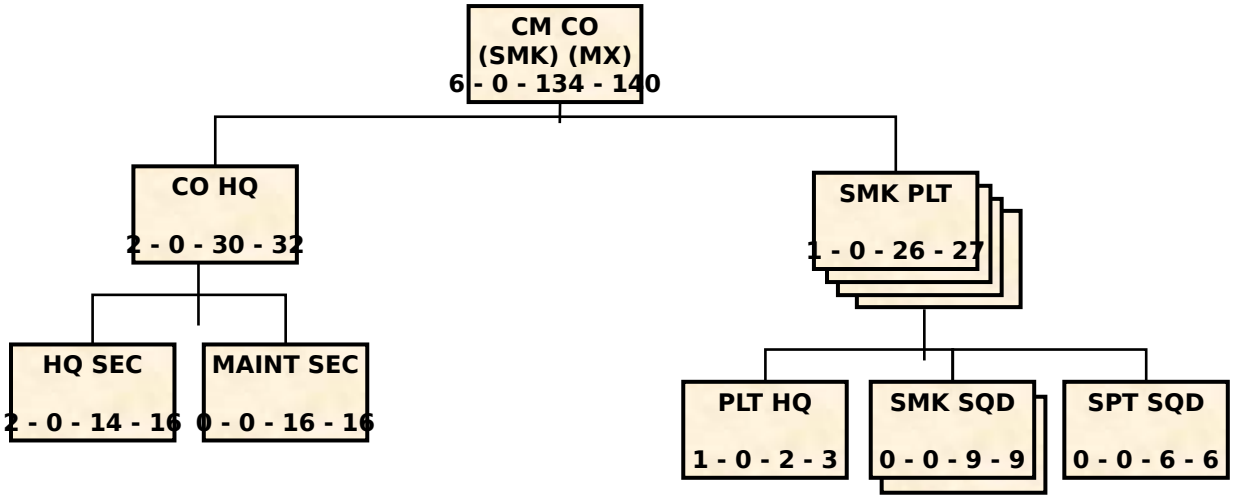
LNBCRS -HMMWV

BIDS (14)

JSTDS-LS (12)

CM CO SMOKE (MX) 03440F100

03440F100



Mission: Provide large area smoke support from the Main Battle Area forward.

Capabilities:

-Smoke haze from 2.4 to 4.8 kilometers in width and several kilometers in length, depending on weather.

- Up to four simultaneous Smoke hazes, each from .6 to 1.2 kilometers in width and several kilometers in length, depending on weather.

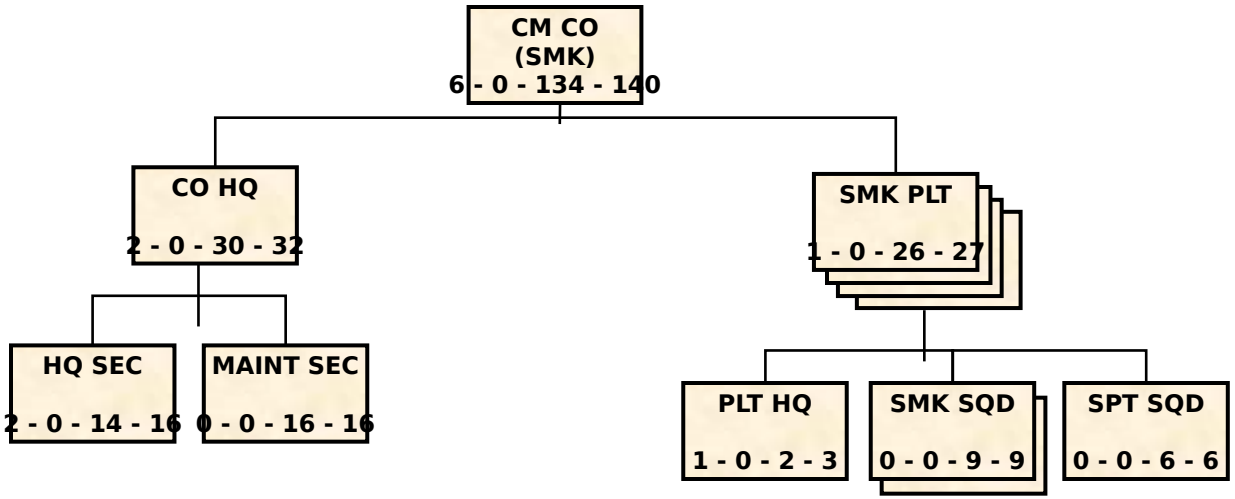
- Simultaneous coverage of several areas when employing Smoke Generator Platoons and Squads on separate missions.

- Individuals of this organization can assist in coordinated defense of the unit's area or installation.

Allocation: Two per Heavy Division or 0.667 per Brigade.

M58 WOLF (24)

CM CO SMOKE (WHL) 3440F200



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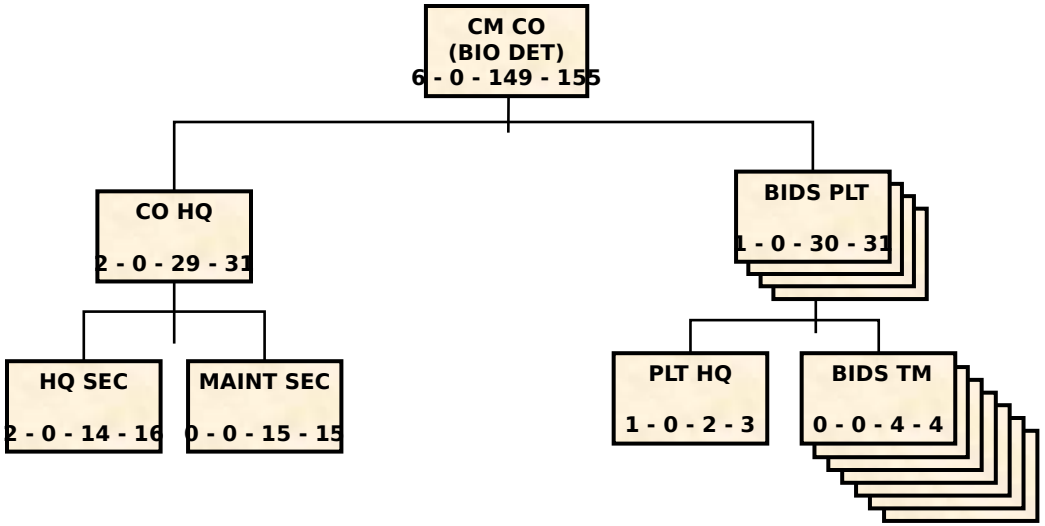
- Individuals of this organization can assist in coordinated defense of the unit's area or installation.

Allocation: Two per Light/ABN/AA Division or 0.667 Brigades.

M56 COYOTE (24)

CM CO (BIDS) 03470F000



Mission: Provide early warning, detection, location, and identification of biological agents and/or Biological Warfare.

Capabilities:

-Operates throughout the division or corps sector based on established priorities of support for detection of biological agents.

- Operates up to 28 Biological Detection/Identification teams.

- Collects known or suspected samples of Biological agents.

- Has limited chemical detection capabilities.

- Provides 24-hour operations under all weather conditions.

Allocation: One per Corps; One per Theater Army

BIDS (28)

SUMMARY

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